

REMARKS

I. STATUS OF CLAIMS:

Claims 23-25, 27-30, 32-35 and 37 are pending and all claims are rejected.

By this Amendment, claims 23, 28 and 33 have been amended. No new matter is believed to have been added by these changes.

Upon entry of these changes, claims 23-25, 27-30, 32-35 and 37 would still be pending.

II. CLAIM REJECTIONS - 35 U.S.C. § 112:

Claim 23-25, 27-30, 32-35 and 37 are rejected under 35 U.S.C. § 112, first paragraph, as allegedly failing to comply with the written description requirement. The Applicant respectfully traverses the rejection.

It is respectfully submitted that the language, for example in previous claim 23, “delivers new video stream data by requesting the server to send the new video data in the case ...” is believed to be supported by the specification and drawings when read as a whole. For example, this aspect is supported by at least the result of determination step S910 of Fig. 9 (e.g., in the “No” case), and by the description of sub title “Video Deliverer 117” at page 20 (particularly see e.g., page 20, lines 21-24). According to the description, if a plurality of requests from a plurality clients are received within a predetermined time period, that is, if latest video data is stored in the buffer, the deliverer returns the video stream data in the buffer to the clients, while, if not so, the deliverer requests the server to acquire the video stream data. Accordingly, it is respectfully submitted that one of ordinary skill in the art would understand

that the previous and current claimed subject matter (as amended) is supported by the specification and drawings.

Thus, it is respectfully submitted that all of the claims are believed to satisfy the requirements of 35 U.S.C. § 112, first paragraph.

III. DRAWING OBJECTIONS:

Regarding claims 23, 28 and 33, the drawings are objected to under 37 C.F.R. § 1.83(a). The Office Action indicates that the drawings must show every feature of the invention specified in the claims. Therefore, the feature of “delivering new video stream data of the live video stream data by requesting the server to send the new video data in the case that the reception of at least one of a request from the first client and a request from the second client exceeds the predetermined period” must be shown in the drawings or the feature(s) canceled from the claim(s).

As noted above, it is respectfully submitted that the previous recited features of claim 23 (as well as claims 28 and 33) are supported by the specification and drawings. The drawings, for example the flow diagram (e.g., S910 – “No”) and the system block diagram(s), in light of the specification provide ample description reflecting the features previously as well as currently claimed. Thus, reconsideration and withdrawal of the drawing objections are respectfully requested.

IV. CLAIM REJECTIONS-35 U.S.C. § 103:

Claims 23-24, 27-29, 32-34 and 37 are rejected under 35 U.S.C § 103(a) as being unpatentable over Nam et al. (U.S. 6,138,163) in view of Brady et al. (U.S. 5,808,607) in view of

Guedalia (U.S. 6,536,043). Claims 25, 30 and 35 are rejected under 35 U.S.C § 103(a) as being un-patentable over Nam- Brady-Guedalia in view of Segur (U.S. 6,212,550).

Claim 23 is directed to an apparatus including a connection management device adapted to make a connection with the server having the image sensing device via the network in case that the connection has not been established with the server when a request is received from a client, not to make another connection with the server in case that the connection has been established with the server when the request is received from the client and to get the live video stream data from the server having the image sensing device; and a memory control device adapted to store the live video stream data from the server having the image sensing device, in a buffer memory. The apparatus also includes a deliver device adapted to determine whether the deliver device receives a second request from a second client within a predetermined period after the deliver device receives a first request from a first client, to deliver the same video data of the live video stream data stored in the buffer to the first and second clients in case that the deliver device receives the second request from the second client within the predetermined period, and to deliver new video data of the live video stream data to the second client by requesting the server to send the new video data in case that the deliver device receives the second request from the second client after the predetermined period.

As reflected in the claim, video data (which is stored in the buffer to be delivered to the first client or has been delivered to the first client) is delivered to the second client without requesting the server to deliver live video if the second request from the second client is received within a predetermined time period from reception of the first request from the first client. If the second request is received from the second client after the predetermined time period, new video data is delivered to the second client by requesting the server to send the new video data.

On the contrary, the cited reference Nam et al. (U.S. 6,138,163) fails to teach or suggest at least the above-noted claimed aspect.

Brady et al.(US 5,808,607) describes in the abstract (lines 16-25) the following:

Additional viewing terminals requesting the same video presentation are also connected to the same communication module if their requests are received within a time period from the initial request that does not exceed a sum of viewing time segments represented by data blocks stored in the RAM buffer. In this manner, both the first requester and subsequent requesting viewing terminals are enabled to receive the audiovisual presentation directly from the same buffer without requiring additional disk accesses for the subsequent viewers.

Brady et al., however, fails to teach or suggest, if a second request from a second client is received after the predetermined time period from reception of a first request from a first client, to request new video data from the server in order to acquire current live video and to deliver the acquired video data as live video stream to the second client.

Guedalia (US 6,536,043) describes the following: "As data is streamed from servers to clients or from broadcasting stations to viewers upon request, the proxy or MCU stores the data in a central hub so that it is available for delivery at a high bandwidth if requested again by any of the clients connected to the hub." (see col. 24, line 63 to col. 25, line 1). Guedalia, however, also fails to teach or suggest the above-noted claimed aspect as with Brady et al.

In view of at least the foregoing, it is respectfully submitted that the cited references, individually or in combination, would not render obvious the arrangements of claim 23. Accordingly, claim 23 and its dependent claims are believed to be distinguishable over the cited references. For similar reasons, claims 28 and 33 and their dependent claims are also believed to be distinguishable over the cited references.

CONCLUSION

Based on the foregoing remarks, the Applicant respectfully requests entry and consideration of these amendments.

DEPOSIT ACCOUNT AUTHORIZATION

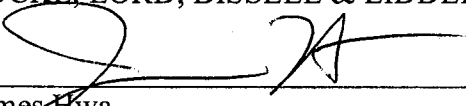
The Commissioner is authorized to charge any additional fees which may be required for timely consideration of this response, or credit any overpayment to Deposit Account No. 504827, Order No. 1232-4473US1.

In the event that an extension of time is required, or which may be required in addition to that requested in a petition for an extension of time, the Commissioner is requested to grant a petition for that extension of time which is required to make this response timely and is hereby authorized to charge any fee for such an extension of time or credit any overpayment for an extension of time to Deposit Account No. 504827, Order No. 1232-4473US1.

Respectfully submitted,
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By: _____


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